

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 03274479
PUBLICATION DATE : 05-12-91

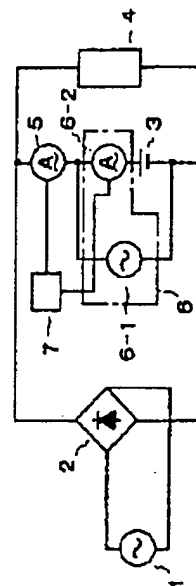
APPLICATION DATE : 26-03-90
APPLICATION NUMBER : 02077440

APPLICANT : YUASA CORP;

INVENTOR : YAMANAKA MASAO;

INT.CL. : G01R 31/36

TITLE : METHOD OF DETERMINING LIFETIME
OF LEAD STORAGE BATTERY



ABSTRACT : PURPOSE: To enable accurate judgement of the lifetime of a lead storage battery employed in a floating charged state by measuring an internal impedance of the lead storage battery by subtracting a measured current of an internal impedance measurer from a ripple current contained in a charging current and by dividing a measured voltage of the internal impedance measurer by a difference current.

CONSTITUTION: A ripple current contained in a charging current of a lead storage battery 3 connected in a floating charged state through a rectifier 2 is subtracted from a measured current of an internal impedance measurer 6. In other words, an AC ammeter is inserted into a charging circuit of the lead storage battery 3 and a measured value of this AC ammeter 5 and a measured value of an AC ammeter 6-2 of the internal impedance measurer 6 are inputted to a subtractor 7, so as to calculate a difference current. Then, the measured voltage of the internal impedance measurer 6 is divided by this difference current and a value thus obtained is indicated as an internal impedance. By this constitution, the internal impedance in the floating charged state can be measured accurately.

COPYRIGHT: (C) JPO